

ACC NR: AT6028738

(N)

SOURCE CODE: UR/3116/66/269/000/0038/0052

AUTHOR: Musina, A. A.

ORG: none

TITLE: Dissolved oxygen in the Chuckchee Sea

SOURCE: Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skin institut. Trudy, v. 269, 1966. Okeanograficheskiye i gidrometeorologicheskiye issledovaniya Ark-ticheskikh morey (Oceanographic and hydrometeorological studies of Arctic Seas), 38-52

TOPIC TAGS: ocean dynamics, oxygen consumption, sea ice, alkali

ABSTRACT: The author established typical characteristics of the geochemical regime in the Chuckchee Sea on the basis of available data on oxygen content and pH values. Dissolved oxygen is one of the most important biohydrochemical elements which characterize water masses. Fluctuations of pH reflect various processes in the sea and, in particular, the distribution of carbonic acid. The processes which consume carbonic acid and generate oxygen promote alkalinity. Conversely, processes which consume oxygen lower the pH. Thus, the proportionality of oxygen to pH in sea water is inverse. The southern portion of the Chuckchee Sea is supersaturated with oxygen which is brought in by the waters of the Pacific. These waters are traceable to a depth of 30 m. This supersaturation extends all the way to the bottom in the shallows owing to the vertical mix-

UDC: 551.464.621(268.62)

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ACC NR: AT6028738

ing of waters. The maximum of supersaturation (in excess of 20%) is usually found at a depth of 20 m. The distribution of oxygen depends largely on the ice cover. The maximum lies closer to the surface at the edge of polar ice because of the liberation of phytoplankton at points where the ice melts. The relative content of oxygen in the uppermost 10 m of water varies from 101 to 120%, depending upon the compaction of the ice. The water layer lying at 35-40 m in the south and at 10-15 m in the north is undersaturated with oxygen. With depth, the oxygen content falls off to 77-84%. The fairly high content of oxygen near the sea bottom is due to good aeration. A drop in oxygen content to below 70% near the continental slope in the north is due to waters flowing from the Bering Strait. The minimum content of about 50% is found in depressions of the sea bottom. Orig. art. has: 6 figures, 4 tables.

SUB CODE: 08/ SUBM DATE: none

Card 2/2

MUSINA A. I.

15-8340 2209
07053
3/91/60/005/005/008/013
B016/0054AUTHOR: Li. P. Z. Lukovenko, T. M. Arutin, N. S.
Musina, N. P. Musina, A. S.TITLE: Laminated Plastic on the Basis of Glass Fiber. Report VII.
Glass Textolite on the Basis of Polyvinyl Butyral

PERIODICAL: Plasticheskii Massy, 1960, No. 5, pp. 46 - 49

TEXT: The authors report on their studies of methods of producing glass textolite from polyvinyl butyral (PVB) with glass fabric of the type AC77 (3) (AS77 (6)) as a filler. They used A-type PVB, and found that PVB embrittles at high temperatures, and loses its elasticity and solubility, also its impact strength decreases, whereas hardness and solubility increase. At high temperatures, PVB decomposes, becomes sticky, and its mechanical strength decreases. This was ascribed to a change in molecular structure, which changes from linear to steric with a decrease in cross-links (Baro, 15). In glass textolite the PVB content dropped to 4% after separating the glass fabric with an 18% PVB solution after drying at high temperature. Glass textolite was produced for Card 1/2

Laminated Plastic on the Basis of Glass Fiber. 3/91/60/005/005/008/013
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Polyvinyl Butyral

experimental purposes a) by soldering at different pressures and b) by deformation in vacuo. The authors studied the effect of temperature, PVB content, and deformation pressure on the properties of glass textolite. They found that a change in the PVB content has no great influence on the quality of glass textolite. A pressure of more than 45,000 kg/cm², however, effects a decrease in strength with the use of most kinds of resin, probably due to destruction of the film. It is known that such a mental consequence, than with the use of other resins. Further, the authors found that PVB glass textolite deformed in vacuo has a lower strength than phenol glass textolite produced in vacuo. Experimental products improve their quality. The properties of PVB glass textolite can be changed by additional heat treatment. There are 2 figures and 4 Soviet references.

Card 2/2

MUSINA, B.M.; SHUSTROV, E.P.;

Evaluating the costs of electric power distribution taking the economic consequences of voltage drop in consumers units into account. Izv. AN Kazakh. SSR. Ser.tekh. i khim.nauk no.3:87-95 '64. (MIRA 17:2)

MUSINA, F. Kh. Asst.; KVASOVA, A. N. (resident physician, Alma-Ata Inst. of Vet. Med. & Animal Husbandry)

"New Method for Treating Metast. oncylosis in Swine"

5. Extract:

From material received by the editor on diseases of swine. /Instead of the usual method of treating metastrongylosis in swine with an injection of Lugol's solution in the trachea through a syringe, the authors recommend the preparation be introduced through a stomach tube (from a No. 20 to a No. 16, depending on the size of the animal). The authors base their suggestion on the difficulties which arise in trying to determine the location of the trachea in swine with a thick layer of fat around the neck. p. 56-57.

6. Extract: from the editor: The editors believe that the method recommended by comrades MUSINA and Kvasova should be tested in practice by veterinarians.

Veterinariya, No. 9, 1952
Rpt. U-5638, 10 Mar 1954 pp 46-47

MUSINA, F.Kh., assistent; YELISEYEV, K.M., aspirant

Clinical manifestation and treatment of Notoedres infection of cats.
Trudy AZVI 9:202-204 '56. (MIRA 15:4)

1. Iz kafedry parazitologii (zav. kafedroy - zasluzhennyj deyatel' nauki KazSSR, doktor prof. N.P.Orlov) Alma-Atinskogo zooveterinarnogo instituta.

(Cats—Diseases) (Scabies)

MUSINA, G. I.

"Procedures for Accelerating Cotton Growth and Development." Cand Agr Sci, Moscow Agricultural Acad, Moscow 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

MUSINA, G.Sh.

Results of fluorographic examination of the population [with summary
in French]. Probl.tub. 37 no.1:3-7 '59. (MIRA 12:2)

1. Iz dispensernogo otdela Uzbekskogo nauchno-issledovatel'skogo
tuberkulезнogo instituta (dir. - prof. Sh.A. Alimov, glavnyy vrach
B.Kh. Magzumov).
(TUVERCULOSIS, PULMONARY, prev. & control
mass fluorography (Rus))

NOZDRIN, P.I.; MUSINA, G.V.

Permian sediments of the eastern slope of the Southern Urals.
Dokl. AN SSSR 150 no.6:1330-1333 Je '63. (MIRA 16:8)

1. Bashkirskoye territorial'noye geologicheskoye upravleniye.
Predstavлено академику D.V.Nalivkinym.
(Ural Mountains—Geology, Stratigraphic)

VARLAMOV, I.P.; MUSINA, G.V.; OZHIGANOVA, L.D.

Stratigraphy of the Permian sediments of the Magnitogorsk
synclinorium. Biul. MOIP. Otd. geol. 39 no.4:80-84 Jl-Ag '64.
(MIRA 17:10)

POZHER, Viktor Mikhaylovich; KIRINA, Tamara Il'инична; POFIR'EV, Gleb Sergeyevich. Uchastvovali: AFRODOVA, A.A.; VISSARIOMOVA, A.Ya.; ZAKHAROVA, M.M.; KILIGIMA, M.L; KOVYAZINA, N.N.; LUB'YAK, I.A.; MUSINA, L.L.; ORLOVA, I.N.; SAVINOVA, S.I.; TAZLOVA, Ye.N.; TIKHET'YVA, V.D.; FADEYeva, M.I.; CHERNOVA, Ye.I.; SHEL'NOVA, A.K. TIKHIY, V.N.,red.; DAYEV, G.A.,ved.red.; GENNAD'Yeva, I.M.,tekhn.red.

[Volga-Ural oil-bearing region; Carboniferous sediments] Volgo-Ural'skaiia neftenosnaia oblast'. Kamennogol'nye otlozheniya. Leningrad, Gos.nauchn.tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1957. 267p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy no.112) (MIRA 11:12)

(Volga Valley--Geology, Stratigraphic)
(Ural Mountain region--Geology, Stratigraphic)

MUSINA, M. Kh., Cand Med Sci -- (diss) "Microflora of the air in the open spaces in the city of Baku in connection with local characteristics." Baku, 1960. 15 pp; (Academy of Medical Sciences USSR); 200 copies; free; (KL, 22-60, 144)

BAKAYEV, M. T., MUSINA, R.M.

Method of rock testing for shear (slip). Izv. AN Kazakh. SSR. Ser.
gor dela no. 1; 101-107 '60. (MIRA 13:10)
(Rocks--Testing)

SOKOL'SKIY, D.V.; DRUZ', V.A.; ALEKSEYEVA, G.K.; SHUMATEVA, N.F.;
MUSINA, S.A.

Use of oxide catalysts on carriers for the purification of
exhaust gases by removing carbon monoxide and hydrocarbons.
Trudy Inst.khim.nauk AN Kazakh. SSR 13:174-201 '65. (MikA 18:0)

VEL'TMAN, R.P.; ZHUKOVSKIY, L.I.; PONOMAREV, L.Ye.; VEMYAN, A.Zh.;
BENENSON, M.P.; ZALMANENOK, V.S.; KRUPENKO, T.I.; BABICH, Z.Ye.;
GUTMAN, L.B.; ALIMOV, T.U.; YAKUNIN, P.N.; KRYZHANOVSKAYA, N.L.;
AKSEL'DORF, A.L.; MUSINA, S.A.; KLEYF, A.D.; LUTSFVICH, F.V.;
LEVINSON, O.S.; TURBINA, N.S.

Brief reports. Sov. med. 28 no.10:144-148 O '65.

(MIRA 18:11)

1. Kiyevskiy institut tuberkuleza i grudnoy khirurgii (for Vel'tman, Zhukovskiy).
2. 3-ya kafedra khirurgii TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva (for Ponomarev, Vemyan, Benenson).
3. Kafedra propedevticheskoy terapii Grodnenskogo meditsinskogo instituta i 1-ya klinicheskaya bol'ница imeni Solov'yeva, Grodno (for Zalmanenok, Krupenko).
4. Ukrainskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva imeni Buyko, Kiyev (for Babich, Gutman).
5. Klinika gospital'noy khirurgii Andizhanskogo meditsinskogo instituta (for Alimov).
6. Kafedra voyenno-nolevoy terapii Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad (for Mitropol'skiy, Latysh, Murchakova).
7. Kafedra urologii I Moskovskogo ordena Lenina meditsinskogo instituta (for Aksel'dorf).
8. 4-ya infektsionnaya klinicheskaya bol'ница Ufy (for Musina).
9. Chernovitskaya detskaya oblastnaya klinicheskaya bol'ница (for Kleyf).
10. Klinika obshchey khirurgii lechebnogo fakul'teta I Moskovskogo meditsinskogo instituta imeni Sechenova i patologoanatomicheskoye otdeleniye klinicheskoy bol'nitsy No.23 imeni Medsantrud, Moskva (for Lutsevich, Levinson). (Cont. next card)

VEL'TMAN, R.P.; (Continued) Card 2:

11. Gematologicheskaya klinika TSentral'nogo ordena Lenina
instituta gematologii i perelivaniya krovi, Moskva (for Turbina).

MUSINA, S.S.

Musina, S. S. Approximate solution of a class of nonlinear integral equations. Mat. Sbornik N.S. 27(69), 171-174 (1950). (Russian)

In this note the equation

$$R(u) = u(x) - \lambda \int_a^b K(x, y, u(y)) dy = 0$$

is considered and it is assumed that

$$|K(x, y, u) - K(x, y, u_1)| \leq C|u - u_1|$$

and $K > 0$, $\partial K / \partial u > 0$, $\lambda > 0$, for $a \leq x, y \leq b$, $-L \leq u, u_1, u_2 \leq L$. Then if λ is sufficiently small and $R(\phi_0) > 0$, $\phi_n = R(\phi_{n-1})$, $R(\psi_0) < 0$, $\psi_n = R(\psi_{n-1})$, the most elementary calculation shows that the sequence $\{\phi_n(x)\}$ converges decreasingly and the sequence $\{\psi_n(x)\}$ converges increasingly to the unique solution of $R(u) = 0$. M. Golomb (Lafayette, Ind.).

Source: Mathematical Reviews.

Vol. 12 No. 5

MUSINA, S.S.

MUSINA, S.S.

Approximate solution of nonlinear integrodifferential equations.
Uch. zap. Kaz. un. 113 no.10:169-187 '53. (MIR 10:6)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.
(Approximate computation) (Integral equations)

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88879

S/044/60/000/007/035/058
C111/C222

N.45v0

AUTHOR: Musina, S.S.

TITLE: Existence theorem for the solution of the Cauchy problem for a system of nonlinear integro-differential equations

PERIODICAL: Referativnyy zhurnal. Matematika, no.7, 1960, 129.
Abstract no.7764. Uch.zap.Kazansk.un-ta, 1957, 117, no.2,
54-58

TEXT: Let

$$f_i(t, y) = f_i(t, y_1, y_2, \dots, y_n)$$

$$F_i(t, y) = F_i(t, y_1, y_2, \dots, y_n),$$

where $y = \{y_1, \dots, y_n\}$ is a point of the space C_n , i.e. y_1, y_2, \dots, y_n are continuous functions of t on the interval $E[a, b]$. Let besides

$$|f_i(t, y^{(1)}) - f_i(t, y^{(2)})| \leq P_i(t) \sum_{k=1}^n |y_k^{(1)} - y_k^{(2)}|^\alpha,$$

$$|F_i(t, y^{(1)}) - F_i(t, y^{(2)})| \leq L_i(t) \sum_{k=1}^n |y_k^{(1)} - y_k^{(2)}|^\alpha$$

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Existence theorem for the solution...

for arbitrary $y^{(1)}$ and $y^{(2)}$, $0 < \alpha \leq 1$. A generalized boundedness (finiteness of corresponding integrals) is assumed with respect to the functions $P_i(t)$, $L_i(t)$, $f_i(t,0)$, $F_i(t,0)$. Under these conditions the author considers the system of equations

$$y_i'(t) = \lambda [f_i(t,y) + \int_{t_0}^t K_i(t,t_1) F_i(t_1,y) dt_1]$$

with the initial conditions $y_i(t_0) = \alpha_i$, where $t_0 \in E$; λ is a constant parameter; the kernel K_i has also the property of the generalized boundedness; $i=1,\dots,n$. It is proved that for $\alpha = 1$ and a sufficiently small $|\lambda|$ there exists a unique solution, while for $\alpha < 1$ for every λ there exists a solution, where the solutions belong to the space C_n . The proof is based on the principles of Cacciopoli-Banach and Schauder.

[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

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Card 2/2

88878

S/044/60/000/007/034/058
C111/C222

/6.4500

AUTHOR: Musina, S.S.

TITLE: Existence theorems for the solution of the boundary value problem for nonlinear integro-differential equations

PERIODICAL: Referativnyy zhurnal. Matematika, no.7, 1960, 128-129.
Abstract no.7763. Uch.zap.Kazansk. un-ta, 1957, 117, no.2,
59-61

TEXT: The author considers the boundary value problem for the integro-differential equations

$$L[y] = \lambda \int_E K(s, t, y, y', \dots, y^{(n-1)}) dt, \quad (1)$$

$$L[y] = \lambda \left[\int_E K(s, t) F(t, y, y', \dots, y^{(n-1)}) dt + f(s, y, y', \dots, y^{(n-1)}) \right], \quad (2)$$

$$\sum_{j=0}^{n-1} b_{ij} y^{(j)}(a) + \sum_{j=0}^{n-1} c_{ij} y^{(i)}(b) = 0, \quad i=0, \dots, n-1, \quad (3)$$

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Existence theorems for the solution...

where

$$L[y] = \sum_{k=0}^n a_k(s)y^{(n-k)}(s),$$

$E = [a, b]$, $a_k(s)$ are functions continuous on E , $a_0 \neq 0$, the constants b_{ij} and c_{ij} do not vanish simultaneously.

$$|K(t, t_1, y_1, \dots, y_1^{(n-1)}) - K(t, t_1, y_2, \dots, y_2^{(n-1)})| \leq B(t, t_1) \sum_{i=0}^{n-1} |y_1^{(i)} - y_2^{(i)}|^{\alpha}$$

for arbitrary y_1 and y_2 , where $0 < \alpha \leq 1$.

A generalized boundedness (finiteness of the corresponding integrals) is assumed for $K(t, t_1, 0, \dots, 0)$ and $B(t, t_1)$. Under these conditions it

holds the theorem:

If $\alpha = 1$ and $|K|$ is sufficiently small then for (1) and (3) the boundary value problem has a unique solution, but if $0 < \alpha < 1$ then for every there exists at least one solution. An analogous theorem is formulated with respect to the equations (2) and (3). The author means solutions

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Existence theorems for the solution...

continuous on E together with the first (n-1) derivatives. It is remarked that the proof can be based on the principles of Schauder and Cacciopoli-Banach, where with the aid of the Green's function the equations (1) and (2) are reduced to integral equations.

[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

(Handwritten mark)

Card 3/3

SELLER, L.I.; SAKAYEVA, S.Z.; MUSINA, S.S.; KOGAN, Ya.D.; BELOMYTTSEVA,
L.A.; OSTROVSKAYA, R.S.; VOLOKHOV, Ya.P.; LUK'YANOVA, Ye.S.;
POPOVA, R.M.; MOSKATEL'NIKOVA, Ye.V.

Effect of noise on arterial pressure; etiology of hypertension.
Ter. arkh. 35 no.7:83-86 JI '63 (MIRA 17:1)

1. Iz kliniki (zav. - starshiy nauchnyy sotrudnik L.I.Geller)
Ufimskogo nauchno-issledovatel'skogo instituta gigiyeny i
professional'nykh zabolеваний (dir. - kand. med. nauk G.M.
Mukhametova).

GELLER, L.I.; SAKAYEVA, S.Z.; MUSINA, S.S.; BELOMYTTSEVA, L.A.; OSTROVSKAYA,
R.S.; KOGAN, Ya.D.

Significance of heredity in the development of hypertension.
Sov. med. 27 no.2:35-36 F '64. (MIRA 17:10)

1. Klinika (zav. L.I. Geller) Ufimskogo nauchno-issledovatel'skogo
instituta gigiyeny i professional'nykh zabolеваний (dir. - kand.
med. nauk G.M. Mukhametova).

MUSINA, Sh.V.

Histo-logical study of accreted and nonaccreted transplants in skin
homoplasty in rats. Trudy KirgNOAGE no.2:7-10 '65.
(MIRA 18:11)

1. Iz kafedry histologii (zav. - prof. A.A.Braun) Kirgizskogo
gosudarstvennogo meditsinskogo instituta.

YEFIMOV, M.I.; MUSINA, Sh. V.

Possibility of homplastic skin transplantation in the rat. Doklady
Akad. nauk SSSR 77 no.1:149-152 1 Mar 51. (CLML 20:6)

1. Presented by Academician K.I. Skryabin 2 January 1951.

MUSINA, Sh. V.

Role of medicinal sleep and recipient's age in skin homoplasity in
rats. Doklady Akad. nauk SSSR 84 no. 5:1089-1092 11 June 1952.
11 June 1952. (CLML 22:3)

1. Presented by Academician A. I. Abrikosov 7 April 1952. 2. Kirgiz
State Medical Institute.

TRANSLATION in /m.

MUSINA, Sh. V.

Effect of medicinal sleep in cutaneous homoplasia in rats. Doklady Akad. nauk SSSR 90 no.2:305-306 11 May 1953. (CLML 24:5)

1. Presented by Academician A. I. Abrikosov 10 March 1953. 2. Kirgiz State Medical Institute.

L 16563-65 EWG(j)/EWG(r)/EWT(1)/FS(v)-3/EWG(v)/EWG(a)/EWG(c) Pe-5/Pb-4
AMD DD

ACCESSION NR: AR4045755

S/0299/64/000/013/M013/M013

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 13M85

AUTHOR: Musina, Sh. V.

TITLE: Experiment in overcoming tissue incompatibility in skin homotransplants

CITED SOURCE: Sb. 3 Vses. konferentsiya po peresadke tkaney i organov, 1963. Yerevan, 1963, 388-389

TOPIC TAGS: skin, homotransplantation, tissue incompatibility, tissue, rat, accretion

TRANSLATION: Skin homotransplantation was performed on rats of different ages (1 mo, 4 to 5 mos, 1½ to 2 yrs). Tissue incompatibility was overcome by inducing sleep with drugs immediately after transplantation, after 3 weeks, and after 3 mos. Permanent accretion of transplants appeared in some animals, the period of accretion was increased in others, but in most cases the results were negative. A conclusion is drawn that the best results for homotransplantation

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L 16563-65

ACCESSION NR: AR4045755

are obtained with skin transplants taken from closely related animals and young animals or with transplantation to young animals. Drug induced sleep contributes to better transplant accretion only in young rats taken from the same vivarium.

SUB CODE: LS

ENCL: 00

Card 2/2

Musina, T. K.

✓ 3376. The use of certain organic compounds in amperometric titration. T. K. Musina and O. A. Songina. *Uch. Zap., Akad. Nauk GSSR, Ser. Ped. Inst.* 1955, 6, 125-131; *Ref. Zhur., Khim.*, 1956, Abstr. No. 4090.—On the dropping-mercury electrode in ammoniacal soln. in the presence of Na_2SO_4 , benzoin α -oxime gives a clearly-marked reduction wave with two inflections. The diffusion current begins at a potential of 1.4 and 1.6 V vs. the mercuric iodide electrode. Benzoin α -oxime is not reduced on the platinum electrode. 1-Nitroso-2-naphthol is reduced on the dropping-mercury electrode in the presence of NH_3 , but on the platinum electrode it gives only a poorly-defined wave. 8-Hydroxyquinaldine is reduced on the dropping-mercury electrode at $E_{1/2} = -1.14$ V at pH 2.8 and -1.01 V at pH 13. A reduction wave could not be obtained on platinum, gold, tungsten or tantalum electrodes. Pyrogallol does not give a wave on the dropping-mercury electrode in the cathode region; in anodic polarisation, oxidation of the mercury takes place. On the platinum electrode sharp anodic curves are obtained, corresponding to oxidation of the pyrogallol. Oxidation of pyrogallol takes place in weakly ammoniacal medium, the diffusion current being at a potential of +1.0 V. Anthranilic acid and benzidine show no polarographic activity on the platinum or mercury electrode in the cathodic or anodic regions. C. D. KOPKIN

SOV/137 57-11-22729

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 11, p 299 (USSR)

AUTHORS: Musina, T. K., Songina, O. A.

TITLE: Amperometric Determination of Bismuth With Pyrogallol (Amperometriceskoye opredeleniye vismuta pyrogallolom)

PERIODICAL: Izv. AN KazSSR, ser. khim., 1957, Nr 1, pp 36-44

ABSTRACT: Bi is determined at pH 7 in the presence of cresol red using a Pt micro-electrode at + 1.0 v. Upon addition of indicator to the acid solution of Bi, NH₄OH is added until the solution turns purple. The excess of NH₄OH is neutralized with a few drops of HNO₃. Then the solution is diluted with H₂O and titrated with pyrogallol (P). Cl³⁻ and SO²⁻ impede the determination of Bi. In the presence of K₂SO₄ the process of titration is slowed down but the results are satisfactory. KNO₃ and NH₄NO₃ do not interfere with the determination of Bi. At an Ag:Bi ratio equal to 3:3:1 the precision of the determination is adequate. In the presence of Cu the results are too high. At a Zn:Bi ratio equal to from 0.73 to 2.1, the results are 6 - 8% too high and at a Cd:Bi ratio of 10:1 the results are 16% too high. At a ratio of Pb:Bi=200:1 Pb does not impede the determination.

V P

Card 1/1

NOVIKOVA, L.A.; MUSINA, T.M.

Results of the treatment of Chorioepithelioma of the uterus; based on materials of the Institute of Experimental and Clinical Oncology.
Vop. onk. 11 no.1:48-53 '65. (MIRA 18:6)

. Iz ginekologicheskogo otdeleniya (zav. - chlen-korrespondent - AMN SSSR prof. L.A.Novikova) Instituta eksperimental'noy klinicheskoy onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. N.N. Blakhin).

MUSINKHIN, A. M., Cand Tech Sci -- (diss) "Force and kinematic conditions of a process of slant-wise pipe-rolling in a three-high rolling mill." Moscow, 1960. 22 pp; (Ministry of Higher and Secondary Specialized Education RSFSR, Moscow Order of Labor Red Banner Inst of Steel im I. V. Stalin); 120 copies; free; (KL, 25-60, 133)

MUSINOV, L., inzh.

Equipment for haulage. Nauka i pered. op. v sel'khoz. 8 no.10:
53-55 O '58. (MIRA 11:11)
(Farm equipment)

MUSINOV, L.

Machinery for harvesting potatoes. Nauka i poved. op. v sel'khoz.
9 no.9:53-56 S '58. (MIRA 11:10)
(Potato digger (Machine))

OREKHOV, Anatoliy Dmitriyevich; MUSINOV, Lev Nikolayevich; KAUFMAN,
Vladimir Aleksandrovich; BORISOV, N.S., inzh., retsezent;
YATSENKO, V.A., inzh., retsezent; FAL'KO, O.S., inzh., red.;
GORDEYEVA, L.P., tekhn.red.

[New agricultural machinery; brief manual] Novye sel'sko-
khoziaistvennye mashiny; kratkii spravochnik. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 254 p.
(Agricultural machinery) (MIRA 13:9)

GORBUNOV, V.R. (Moskva); MARAKHTANOV, K.P. (Moskva); MUSIN V, I.N. (Moskva)

Agriculture should have new improved machinery. Fiz. v shkole 21
no.2:10-28 Mr-Ap '61. (MIR 1-13)
(Agricultural machinery)

OREKHOV, A.D.; MUSINOV, L.N.; KAUFMAN, V.A.; KLETSKIN, M.I., inzh.,
retsenzent; ZHURAVLEVA, M.N., red. izd-va; MODEL', B.I.,
tekhn. red.

[New agricultural machines] Novye sel'skokhoziaistvennye mashiny;
kratkii spravochnik. Izd.2., perer. Moskva, Mashgiz, 1962.
279 p.

(MIRA 15:11)

(Agricultural machinery)

MARAKHTANOV, K.P. (Moskva); MUSINOV, L.N. (Moskva)

New agricultural machinery. Fiz. v shkole 23 no.5:6-18
S-0 '63. (MIRA I7:1)

OSTROUKH, N. P. (Director of the Bogotov Veterinary Section), SUKHORUKOV,
V. I. and MUSTMOV, S. S. (Veterinarian, Medical Assistants) and VOZMITEL', V. M.
(Veterinary Doctor, Belogorsk District, Crimean Oblast'). (Abstracted by
NOSKOV, A. I.)

"Experimental prophylaxis for herpes tonsurans", 1960.....
Veterinariya, vol. 39, no. 3, March 1962 pp. 27

[Handwritten signature]
GEYMAN, M.A.; MAMIKONOV, A.G.; MUSINOV, V.I.

Selecting parameters for controlling and managing oil field
operations. Neft.khoz. 35 no.3:18-22 Mr '57. (MIRA 10:4)
(Oil fields)

AMITIAN, V.A.; UGOLEV, V.S.; MUSINOV, V.I.; TITKOVA, A.D.; KALYAYEV, V.A.

Method for treating the bottom zones of wells using aerated
acid with surfactant additives. Nefteprom. delo no.3:3-8 '65.

1. Institut geologii i razrabotki goryuchikh iskopayemykh,
Moskva. (MIRA 18:10)

GEYMAN, Mark Abramovich; MUSINOV, Vladimir Ivanovich

[Turbodrilling with aerated flush fluids] Turbinnoe bu-
renie na aerirovannoi promyvochnoi zhidkosti. Moskva,
Nedra, 1965. 145 p.
(MIRA 18:8)

AMTYAN, V.A.; VASIL'YEVA, N.P.; MUSINOV, V.I.; MURADYAN, I.M.; UGOLEV, V.S.

Physical and physicochemical fundamentals of sand-plug
flushing in oil wells using foam. Neft. khoz. 43 no.3:
63-66 Mr '65. (MIRA 18:6)

UGOLEV, Vladimir Semenovich; MUSINOV, Vladimir Ivanovich; GEYMAN, M.A.,
red.; DUBROVINA, N.D., vedushchii red.; POLOSTINA, A.S.,
tekhn.red.

[Thermal recovery of petroleum] Termicheskie metody v dobyche
nefti. Pod red. M.A. Geimana. Moskva, Gos.nauchno-tekhn.izd-vo
neft. i gorno-toplivnoi lit-ry, 1959. 106 p. (MIRA 12:6)
(Oil fields--Production methods)

GEYMAN, M.A.; MEZHLUMOV, A.O.; MUSINOV, V.I.; SAFIULLIN, M.N.;
YUZBASHEV, G.S.

Using electrodrills and turbodrills in aeration drilling.
Neft. khoz. 39 no.4:21-26 Ap '61. (MIRA 14:6)
(Oil well drilling, Electric—Equipment and supplies)
(Turbodrills)

AMIAN, V.A.; MUSINOV, V.I.; UGOLEV, V.S.; MURADYAN, I.M.

Drilling in producing strata. Neft. khoz. 42 no. 6:35-41
(MIRA 17:8)
Je '64.

MUSINSKIY, N.A.

Selecting the optimum value for the finishing stage of turbine gear
wheel cutting in unstable temperature conditions. Trudy LKI no.29:
181-187 '59. (MIRA 14:7)

1. Leningradskiy korablestroitel'nyy institut, kafedra tekhnologii
sudovogo mashinostroyeniya.

(Gear cutting)

MUSINSKIY, N.A., Cand Tech Sci (diss) "Certain questions on the quality of working wheel gear teeth of the reducer GTZA," Leningrad, 1960, 16 pp (Leningrad Shipbuilding Institute) (KL, 34-60, 122)

MUSINYAN, T.M., inzhener.

"Chain transmissions". N.V. Vorob'ev. Reviewed by T.M. Musinian.
Vest.mash. 27 no.7:74-75 Jl '47. (MLRA 9:4)
(Chains) (Vorob'ev, N.V.)

SOV/28-56-5-19/37

AUTHOR: Belkin, A.N.; Musinyan, T.M.; Engineers

TITLE: Lifts (Lifty)

PERIODICAL: Standartizatsiya, 1958, Nr 5, pp 60 - 61 (USSR)

ABSTRACT: The article deals with the new approved standards relating to various categories of lifts (elevators) and devised by the Vsesoyuznyy nauchno-issledovatel'skiy institut pod'yemno-transportnogo mashinostroyeniya (All-Union Scientific-Research Institute for Hoisting-Transport Machine Building) to replace the former GOST and OST standards.

ASSOCIATION: VNIIPTMASH

1. Hoists--Standards

Card 1/1

MUSINYAN, T.M.

Freight elevators with a built-in monorail. Standartizatsiia
24 no.6:54 Je '60. (MIRA 13:7)
(Elevators--Standards)

TAUBER, Boris Abramovich, prof., doktor tekhn. nauk; FROLOV, A.V.,
retsenzent; MUSINYAN, T.M., red.; PROTANSKAYA, I.V., red.
izd-va; VDOVINA, V.M., tekhn. red.

[Hoisting and conveying machines] Podzemno-transportnye ma-
shiny. 2. izd. Moskva, Goslesbumizdat, 1962. 633 p.
(MIRA 16:5)

1. Glavnnyy konstruktor Gosudarstvennogo instituta po pro-
yektirovaniyu novykh mashin dlya lesozagotovok i splava
(for Frolov).
(Hoisting machinery) (Conveying machinery)

BURMAZOV, Viktor Aleksandrovich; MUSINYAN, T.M., red.; SLUTSKER,
M.Z., red.izd-va; KAZANSKAYA, L.I., tekhn. red.

[Manual for the operator of the KKU-7,5 and KKU-10 gantry
cantilever cranes] Rukovodstvo mashinistu kozlovych kon-
sol'nykh kranov KKU-7,5 i KKU-10. Moskva, Goslesbumizdat,
1963. 138 p.
(Cranes, derricks, etc.)

BELAYA, Natal'ya Mikhaylovna; PROKHORENKO, Anatoliy Georgiyevich;
MUSINYAN, T.M., otv. red.

[Cableways for lumber transportation] Kanatnye lesotransport-
nye ustanovki. Moskva, Lesnaya promyshlennost', 1964. ~98 p.
(MIRA 18:5)

NOVIKOVA, L.A., prof.; KOLYADINA, P.I.; MUSINA, T.M.

Chemotherapy of malignant tumors of the female genitalia. Akush.
(MIRA 18:4)
1 gin. 40 no.4:6-13 Jl-Ag '64.

1. Ginekologicheskaya klinika (zav. - prof. L.A.Novikov) Instituta
eksperimental'noy i klinicheskoy onkologii (dir. - prof. N.N.Blokhin)
AMN SSSR, Moskva.

VASILL'YEV, V.Z. [deceased]; KOKHTEV, A.A.; TSATSKIN, V.S.;
SHAPOSHNIKOV, K.A., MUSINYAN, T.M., inzh., red.

[Reference tables on machine parts in 2 volumes] Spra-
vochnye tablitsy po detaliam mashin v 2-kh tomakh. Moskava,
Mashinostroenie. Vol.1. 1965. 716 p. (MIRA 18:8)

MUSIOL, Antoni

Impressions from China and considerations on Chinese medicine.
Polski tygod. lek. 15 no.45:1743-1747 7 II '60.

(MEDICINE)
(ACUPUNCTURE)

COUNTRY : Poland H-29
CATEGORY :

ABS. JOUR. : RZKhim., No. 1959, No. 73151

AUTHOR : Musiol, S.

INST. :

TITLE : Coating by Gas-Flame Atomizing of a Polyvinylchloride Paste

ORIG. PUB. : Chemik, 1958, 11, No 10, 317-318

ABSTRACT : Description of a unit for gas-flame atomizing of polyvinylchloride paste on various surfaces (metal, concrete, etc.), for the purpose of protecting them from corrosion. The surface to be coated is sand-blasted, covered with a layer of polyvinylchloride cement, and on this layer the paste is then atomized. The rate of spraying is 40 m per second, temperature of the acetylene flame about 3000°. Optimal ratio of polyvinylchloride to plasticizer, in the paste, is 50:50; with a 60:40 ratio a rough surface is produced. The coating retains its strength up to 60°, shows good resistance to attrition, and has an electric strength of 50 kv/mm. If the surface to be coated is not rough (steel

CARD: 1/2

MUSIOL, S.

The use of polyvinyl chloride in electric installations. p.356

CHEMIK (Ministerstwo Przemyslu Chemicznego i Stowarzyszenie Naukowe-
Technikow Przemyslu Chemicznego)

Warszawa, Poland

Vol. 12, no. 9, Sept. 1959

Monthly list of East European Accession (EEAI) LC, vol. 9, no. 1, Jan. 1960

Uncl.

TAWRYK, Roman; MUSIOLIK, Marian.

Spastic syndrome as a rare indication for cesarean section.
Polski tygod. lek. 11 no.4:166-168 23 Jan 56.

1. W I Kliniki Polonictwa i Chorob Kobiecych Slaskiej A.M. w
Zabrsu; kier: prof. dr W. Starzewski. Zabrze, Klinika Polon. i
Chor. Kob., ul. Curie-Sklowowskiej 10.

(PREGNANCY, compl.

neuroma of spinal cord, causing
spastic paralysis of legs, indic. for cesarean section)

(NEUROMA,

spinal cord, in pregn., causing spastic paralysis of legs,
indic. for cesarean section)

(SPINAL CORD, neoplasms

neuroma, in pregn., causing spastic paralysis of legs, indic.
for cesarean section)

(PARALYSIS

spastic, caused by neuroma of spinal cord in pregn., indic.
for cesarean section)

(LEGS, paralysis

in pregn., caused by neuroma of spinal cord indic. for
cesarean section)

~~INDUSTRIAL MEDICINE~~
MUSIOLIK, Marian; WAWRYK, Roman.

Hemoglobin level in women working in coal mines. Polski tygod. lek.
12 no.30:1153-1155 22 July 57.

1. Z I kliniki Podosnictwa i Chorob Kobiecych Sl. A. M. w Zabrzu;
kierownik: doc. dr. med. W Starzewski oraz z Instytutu Medycyny Pracy
w Przemysle węglowym i Hutniczym w Zabrzu; dyrektor: prof. dr B.
Nowakowski. Adres: Zabrze, ul. Curie-Sklodowskiej 10. Klinika Polosn.
i Chor. Kob.

(HEMOGLOBIN,
in women working in coal mines (Pol))
(MINING
hemoglobin level in women working in coal mines (Pol))

MUSIOLIK, Marian; SAMOCHOWIEC, Eugeniusz; WAWRYK, Roman

Curettage of the uterine cavity after labor. Polski tygod. lek. 12 no.51:
1968-1971 23 Dec 57.

1. (Z I Kliniki Poloznictwa i Chorob Kobiecych Sl. Am. M. w Zabru;
kierownik: doc. dr med. W. Starzewski) Adres: Rybnik, ul. Tuwima 2.)
(UTERUS, surg.
curettage after labor (Pol))

MUSIOLIK, Marian
WAWRYK, Roman; MUSIOLIK, Marian

Pregnancy and labor complicated by peritonitis caused by Meckle's diverticulum. Gin. polska 28 no.2:225-229 Mar-Apr 57.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych Slaskiej Akademii Medycznej w Zabrusz Kierownik: doc. dr. W. Starzewski. Adres: Zabrze. Klinika Chorob Kobiecych i Poloznictwa, ul. C.-Skłodowskiej 10.

(PERITONITIS, in pregn.
caused by Meckle's diverticulum, postpartal diag. &
surg. (Pol))

(MECKLE'S DIVERTICULUM, compl.
peritonitis, postpartal diag. & surg. (Pol))
(PREGNANCY, compl.)

peritonitis caused by Meckle's diverticulum, postpartal
diag. & surg. (Pol))

MUSIOLIK, Marian; GORNA, Maria; SIERON, Gerard

Results of examinations of women working in the coal industry.
Gin. polska 28 no.5:559-569 Sept-Oct 57.

1. Z Kliniki Poloznictwa i Chorob Kobiecych Sl. A. M. w Zabrzu
Kierownik: doc. dr W. Starzewski i z Państwego Instytutu Medycyny
Pracy w Przemysle Węglowym i Hutniczym w Zabrzu-Rokitnicy. Dyrektor:
prof. dr B. Nowakowski. Adres: Rybnik, ul. Tuwima 2.

(GYNECOLOGICAL DISEASES, statist.

in women workers in coal indust. in Poland (Pol))

KOBIELA, Jerzy, MUSIOLIK, Marian

Abortion induced by intra-uterine injection of soap solution.
Polski tygod. lek. 13 no.14:518-521 7 Apr 58

l. (Z I Kliniki Poloznictwa i Chorob Kobiecych Slaskiej Akademii
Medycznej w Zabrze; kierownik; doc. dr W. Starzewski)
(ABORTION, CRIMINAL, case reports,
by intra-uterine soap suds inject. (Pol))

MUSIOLIK, Marian; MUNIGA, Leonard

Course of pregnancy in women workers in the metallurgy industry. Gin.
polska 29 no.5:547-553 Sept-Oct 58.

1. Z I Kliniki Poloznictwa i Chorob Kobiecy A. M. w Zabrzu
Kierownik: doc. dr W. Starzewski oraz z Instytutu Medycyny Pracy w
Przemysle Weglowym i Hutniczym w Zabrzu Dyrektor: prof. dr B. Mowakowski.
Zabrze, Plac Traugutta 6. I klinika Poloznictwa i Chorob Kobiecy A.
M.

(PREGNANCY, physiol.

eff. of working in metallurgy indust. on course of pregn.
(Pol))

(INDUSTRY AND OCCUPATIONS
same)

MUSIOLIK, Marian; WAWRYKH, Roman

Hemoglobin levels in pregnant women working in the metallurgy industry
in Silesia. Gin. polska 29 no.5:555-560 Sept-Oct 58.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych Slaskiej A. M. w Zabrzu
Kierownik: doc. dr med. W. Starzewski oraz Instytutu Medycyny Pracy w
Przemysle Weglowym i Hutniczym w Zabrzu Dyrektor: prof. dr med. B.
Nowakowski. Klinika Poloznictwa i Chorob Kobiecych Slaskiej A. M. Zabrze,
Plac Traugutta 6.

(PREGNANCY, blood in

hemoglobin levels in women working in metallurgy indust.
(Pol))

(INDUSTRY AND OCCUPATIONS

eff. of working in metallurgy indust. on hemoglobin levels
in pregn. (Pol))

WAWRYK, Roman; MISIOLIK, Marian

Management in cases of diffuse peritonitis. Gin. polska 29 no.5:595-
606 Sept-Oct 58.

1. Z I Kliniki Polonictwa i Chorob Kobiecych Slaskiej A. M. w Zabrzu
Kierownik: doc dr W. Starzewski. I Klinika Polonictwa i Chorob Kobie-
cych Slaskiej A. M. Zabrze, Plac Traugutta 6.

(PERITONITIS, ther.

management of diffuse peritonitis (Pol))

STARZEWSKI, Wojciech; GLOWINSKI, Mieczyslaw; MUSIOLIK, Marian; SIERON,
Gerard; SMOK, Jan; WAROMSKI, Wladimirz

Studies on blood coagulation in normal and pregnant subjects in
the Upper Silesia. Polski tygod.lek. 15 no.24:897-902 13 Je '60.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych Sl. A.M. w Zabrze,
kierownik: prof dr W. Starzewski.
(BLOOD COAGULATION)
(PREGNANCY blood)

STARZEWSKI, Wojciech; GLOWINSKI, Mieczyslaw; MUSIOLIK, Marian; SIERON,
Gerard; SMOK, Jan; WARONSKI, Wladzimierz

Blood coagulation during pregnancy, labor and puerperium. Communi-
cation I. Fibrinogen and fibrinolysis during pregnancy, labor and
puerperium. Gin.polska 31 no.3:359-366 My-Je '60.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych Slaskiej A.M. w
Zabru Kierownik: prof. dr W.Starzewski.

(PREGNANCY blood)
(LABOR blood)
(PUERPRIUM blood)
(FIBRINOGEN)
(FIBRINOLYSIS)

STARZEWSKI, Wojciech; GLOWINSKI, Mieczyslaw; MUSIOLIK, Marian; SIERON, Gerard;
SMOK, Jan; WARONSKI, Wladzimierz

Blood coagulation in pregnancy, labor and puerperium. III. Pro-
thrombin and factor VII in pregnancy, labor and puerperium. Gim.
polska 31 no.6:661-667 N-D '60.

1. Z I Kliniki Położnictwa i Chorob Kobiecych Śląskiej AM. w Zabrzu
Kierownik: prof. dr W. Starzewski.

(PREGNANCY blood) (LABOR blood)
(PUERPERIUM blood) (BLOOD COAGULATION)

STARZEWSKI, Wojciech; GLOWINSKI, Mieczyslaw; MUSIOLIK, Marian; SIERON, Gerard;
SMOK, Jan; WARONSKI, Wlodzimierz

Blood coagulation in pregnancy, labor and puerperium. IV. Factor V
in pregnancy, labor and puerperium. Gim.polska 31 no.6:669-674
N-D '60.

1. Z I Kliniki Poloznictwa i Chorob Kobiezych Slaskiej AM w Zabru
Kierownik: prof. dr W. Starzewski.

(PREGNANCY blood) (LABOR blood)
(PUERPERIUM blood) (BLOOD COAGULATION)

STARZEWSKI, Wojciech; GLOWINSKI, Mieczyslaw; MUSIOLIK, Marian; SIERON,
Gerard; SMOK, Jan; WARONSKI, Wladzimierz

Blood coagulation disorders in pregnancy and labor. Gin.polska 32
no.6:709-717 '61.

1. Z Kliniki Poloznictwa i Chorob Kobiecych Slaskiej AM w Zabru
Kierownik: prof. dr med. W.Starzewski.
(PREGNANCY compl) (HEMORRHAGE POSTPARTUM)

MUSIOLIK, Marian; KOBIELA, Jerzy; WAWRYK, Roman

Forceps delivery in the 1st Obstetrical and Gynecological
Clinic of the Silesian Academy of Medicine in Zabrze in 1952-
1960. Pol. tyg. lek. 18 no.31:1138-1142 29 J1 '63.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych Sl. AM w Zabrzu;
Kierownik: prof. dr med. W. Starzewski[deceased].
(OBSTETRICAL FORCEPS) (STATISTICS)

POLAND

MUSIOLIK, Marian, KOBIELA, Jerzy, and WAWRYK, Roman; First Clinic of Obstetrics and Gynecology (I Klinika Poloznictwa i Chorob Kobiecych), Sl. AM [Slaska Akademia Medyczna, Silesian Medical Academy] in Zabrze (Director: Prof. Dr. med. W. STA-RZEWSKI (deceased))

"Use of Forceps at the First Clinic of Obstetrics and Gynecology at Zabrze during 1952-1960."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 31, 29 Jul 63,
pp 1138-1142

Abstract: [Authors' English summary modified] Authors report on a statistical study of the use of forceps in deliveries at the hospital with which they are affiliated. Indications for the use of forceps were threatened asphyxia of foetus (61.3 per cent of cases) and no progress in 2nd period of labor (31.7 per cent). The procedure was applied in 3.9 per cent of all cases, of which 80.9 per cent were primiparae and 19.1 multiparae. No complications were observed during 3rd period of labor and puerperium. The cut peritoneum healed per primam, as a rule. Mortality of newborns was 2.8, against overall 4.8 percent for the ward, and authors consider procedure desirable. 26 refs: 2 Western, 11 German, others Polish.

1/1

LANDISBERG, Ya.I.; GORUK, Z.I.; MUSIY, Ye.R.; ROMANYUK, L.M. (Kremenets,
Ternopol'skoy obl.)

Use of inhalations of aerosol expectorants for the diagnosis of
tuberculosis. Vrach.delo no.7:745-747 Jl '59. (MIRA 12:12)

1. Kremenetskiy protivotuberkuleznyy dispanser.
(TUBERCULOSIS--DIAGNOSIS) (AEROSOLS)

38048
S/128/62/000/005/005/005
A004/A127

1.1500

AUTHORS: Musiyachenko, A.S.; Stebakov, Ye.S.

TITLE: Mold filling in pressure casting

PERIODICAL: Liteynoye proizvodstvo, no. 5, 1962, 42 - 44

TEXT: The authors point out that the particular features of pressure casting consist in the possibility of controlling the process parameters by varying the rate of approach of the movable and stationary die halves, quantity and temperature of the cast metal and heating of the halves. In pressure casting, the metal flow rate considerably exceeds the pouring rate of light alloys in ordinary sand molds, i.e., it is more than 10 cm/sec in the lower part of the casting and up to 200 cm/sec in the top part, which explains the importance of the flow hydrodynamics. The authors divide the flow rate into the melt rate of elevation and the cross-sectional flow rate. A high rate of elevation may lead to air and gas defects particularly in the top zone of the casting. The authors present a detailed description of model tests carried out to study the process of filling the hollows of the mold during pressing, using a mockup of the BJ-1 (VL-1) pres-

Card 1/2

L 22732-66 EUT(d)/EUT(m)/EUD(v)/EUP(t)/EWP(k)/EWP(n)/EWP(1)/EWA(n) JB
ACC NR: AP6002900 SOURCE CODE: UR/0286/65/000/024/0063/0064

AUTHORS: Yemchikov, S. V.; Vykhnikov, V. P.; Maslyachenko, A. S.; Oripov, V. Ya.; Kuznetsov, L. M.; Simpura, P. M.; Stebakov, Yu. S.

ORG: none

TITLE: Method for casting thin-walled parts. Class 31, No. 177050

SOURCE: Byulleten' izobreteniij i tovarnykh znakov, no. 24, 1965, 63-64

TOPIC TAGS: metal casting, pressure casting

ABSTRACT: This Author Certificate presents a method for casting thin-walled parts in an apparatus consisting of two chambers (for the mold and pouring crucible) in which the filling of the mold with metal takes place due to the pressure difference between the chambers (see Fig. 1). To increase the quality of the parts, the mold chamber is raised to above-atmospheric pressure during metal pouring, while the crucible chamber is pressurised above the pressure of the mold chamber.

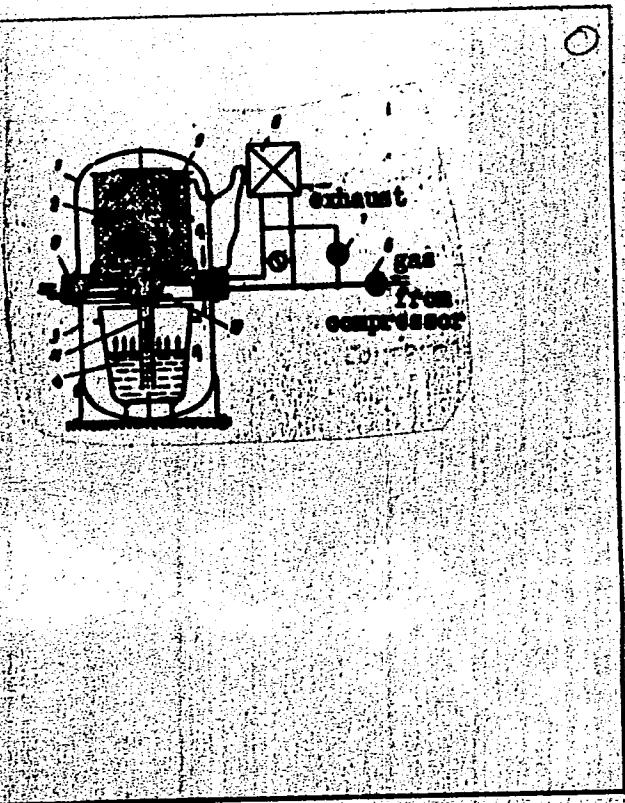
UDC: 621.746.043.3

Card 1/2

L 22732-66

ACC NR: AP6002900

Fig. 1. 1 - Chamber; 2 - mold;
3 - chamber; 4 - crucible;
5 - base; 6 and 7 - valves;
8 - automatic controller;
9 - transducer; 10 - cut-off;
11 - metal guide.



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 09Feb63

Card 2/2 (1)

KOMAROV, V.A.; MUSIYACHENKO, T.I.

Let's overcome our shortcoming. Zemledelie 26 no.12;20-23 D '64.
(MIRA 13:4)

1. Direktor sovkhoza "Yarul'skiy", Rybinskogo proizvodstvennogo
upravleniya, Krasnoyarskogo kraya (for Komarov). 2. Glavnnyy agronom
sovkhosa "Yarul'skiy", Rybinskogo proizvodstvennogo upravleniya,
Krasnoyarskogo kraya (for Musiyachenko).

S/125/62/000/006/004/013
D040/D113

AUTHORS: Kasatkin, B.S., and Musiyachenko, V.F.

TITLE: Oxidizing AN-17 flux for welding carbon and low-alloy steel

PERIODICAL: Avtomaticheskaya svarka, no.6, 1962, 21-25

TEXT: The **AN-17** (AN-17) flux has been developed for CO₂ welding with Si-Mn welding wire in attempts to find a flux composition producing a low content of nonmetallic inclusions and gases in welds on carbon and low-alloy steel.

The flux, which contains active iron oxides and small quantities of SiO₂ and MnO, was melted in an electric furnace, granulated in a water bath, and dried.

The oxidizing effect greatly depends on the FeO content which varied between 1 and 10%. On raising the FeO content, Si oxidized most intensively, Mn less intensively, and Cr, Mo and V only slightly. The oxidation of C seems to improve the liberation of gases and nonmetallic inclusions from the metal. The oxidation-reduction reactions are very vigorous, and the chemical composition of the weld metal only slightly depends on the data of welding. The percentage composition

Card 1/2

3/125/62/000/006/004/013
D040/D113

Oxidizing AN-17 flux for welding carbon

of the $\text{C}_\text{B}-08\text{FCM}$ ($\text{Sv}-08\text{KhGSF}$) and $\text{C}_\text{B}-08\text{F2CA}$ ($\text{Sv}-08\text{G2SA}$) wires used together with the AN-17 flux is as follows: 0.09 C, 0.81 Si, 1.6 Mn, 0.95 Cr, 0.6 Mo, 0.3 V, 0.023 S, 0.020 P, and 0.08 C, 0.87 Si, 1.81 Mn, 0.024 S, 0.018 P. The content of nonmetallic inclusions and gases in the weld metal produced with these wires and the AN-17 flux was considerably lower than in welding with an $\text{AH}-348\text{A}$ ($\text{AN}-348\text{A}$) flux, and the mechanical properties of welds in the 20-600°C range fully met the standard requirements. The flux is now being tested with other wire grades, and is recommended for use. There are 6 figures and 3 tables.

ASSOCIATION: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O.Patona AN USSR (Electric Welding Institute "Order of the Red Banner of Labor" im. Ye.O.Paton, AS UkrSSR)

DATED: December 22, 1961

Card 2/2

KASATKIN, B.S.; TSARYUK, A.K.; MUSIYACHENKO, V.F.

Fluxes for the mechanized welding of 12Kh1MF heat-resistant
steel. Avtom. svar. 16 no.8:26-33 Ag '63. (MIRA 16:8)

1. Institut elektrosvarki imeni Ye.O. Patona AN UkrSSR.
(Steel. Heat-resistant Welding)
(Flux (Metallurgy))

KASATKIN, B.S.; MUSIYACHENKO, V.F.

Selection of flux and electrode wire for the welding of
high strength, low-alloy steel. Avtom. svar. 17 no.8:1-10
Ag '64. (MIRA 17:11)

1. Institut elektrosvarki imeni Patona AN UkrSSR.

ACCESSION NR: AT4017183

S/0000/63/000/000/0485/0487

AUTHOR: Musiyachenko, A. S. (Moscow); Stebakov, Ye. S. (Moscow)

TITLE: Squeeze casting

SOURCE: AN BSSR. Fiz.-tekhn. Institut. Teplofizika v liteynom proizvodstve
(Thermal physics in the foundry industry). Minsk, 485-487

TOPIC TAGS: casting, squeeze casting, metal extrusion

ABSTRACT: Previously, the casting process did not allow one to obtain large-size parts with a wall thickness lower than 1 mm. However, a method for obtaining such parts has been created and is known as squeeze casting. The process has two stages: First, the metal with some excess is poured into the lower part of the opened mold and maintained at a certain temperature approaching the beginning of crystallization. Second, the walls move toward each other at a certain rate forcing out the extra metal and leaving only the required quantity in the mold (see Fig. 1 of the Enclosure). The investigation used an AL4 alloy, which was squeezed at a temperature beginning at 580C. At this temperature the squeezing force was actually equal to the friction forces. Up to 580C a pressure of 3 kg/sq cm did not insure squeezing. The main factors in the approach process of the mold were the friction forces in the moving parts of the machine. Orig. art. has: 2 figures.
Card 1/3

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ASSOCIATION: Fiz.-tekhn. institut, AN BSSR. (Institute of Physics and Technology,
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ENCL: 01

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Card 2/3

Musiyaka A.G.

MUSIYAKA, A.G., mekhanik.

Some alterations and improvements in the "Record-39" and VIR-9
incubators. Ptitsvodatvo 8 no.3:22-24 Mr '58. (MIRA 11:2)

1. Kiyevskaya ptiteefabrika.
(Incubators)

NESTEROVICH, M.D., doktor biolog.nauk, akademik; IVANOV, A.F.; IVANOVA, Ye.V.; KRASHIK, A.I.; MUSIYAKINA, N.P.; PONOMAREVA, A.V.; SIROTKINA, SMOL'SKAYA, CHEKALINSKAYA, E.I.; BULAT, O., red.izd-va; SIDERKO, N., tekhn.red.

[Trees and shrubs introduced into the White Russian S.S.R.] Intro-dutsirovannye derev'ia i kustarniki v Belorusskoi SSR. Minsk. No.2.
[Arboraceous plants introduced from the flora of North America]
Introdutsirovannye drevesnye rasteniia flory Severnoi Ameriki. 1960.
296 p.
(MIRA 13:6)

1. Akademiya nauk BSSR, Minsk. Institut biologii. 2. AN BSSR (for Nesterovich).
(White Russia--Plant introduction) (Trees) (Shrubs)

MUSIYAKO, Yu. (Kiyev)

In the Department of Social Sciences of the Academy of Sciences
of the Ukrainian S.S.R. Vop.ekon. no.7:143-144 J1 '60.
(MIRA 13:5)
(Ukraine--Social sciences)

140 SIVYENKO, A.

MUSIYENKO, A.

Starter ignition systems. Grazhd. av. 14 no.8:32-34 Ag '47.
(Airplanes--Engines--Starting devices) (MLRA 10:9)

MUSIYENKO, A. Lt. Col. of Tech. Serv. and IZMAYLOV, A. Lt. Col.

"Sovetskaya Aviatsiya v 1938-1940 Gody," (Soviet Aviation in 1938-1940),
Vest. Vozd. Flota, No.3, pp 65-75, 1953

Summary of article D 399975

MUSIYENKO, A.

Aviational starters. Grazhd.av. 12 no.8:26-28 Ag '55.
(MIRA 15:8)
(Airplanes--Engines--Starting devices)

MUSIYENKO, A.

The engine of a winged machine is fastened to concrete. Tekh.mol.
24 no.3:22 Mr '56. (MLRA 9:7)
(Wind tunnels)

1) 6-14 E N K C , A .

84-8-23/36

AUTHOR: Musiyenko, A.

TITLE: Starting Ignition Systems (Puskovyye sistemy zazhiganiya)

PERIODICAL: Grazhdanskaya Aviatsiya, 1957, Nr 8, pp. 32-34 (USSR)

ABSTRACT: The article describes some ignition devices used in piston, turbojet and turboprop engines, and the problems to be solved in each case. The descriptions are general in character and appear to be written for readers without preliminary knowledge of the subject. Part of the information is admittedly based on foreign sources. In the first section of the article, ignition systems used with Soviet piston engines M-11ФР, АИ-14Р and АШ-62МР, АШ-82ФН, are described in general terms, indicating modifications introduced in the last two types. Further modifications of АШ-82Т engines to meet conditions at higher altitudes are accompanied by a diagram illustrating the general arrangement (Fig. 1). The difference of the ignition problem in turbojet engines from that in

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84-8-23/36

Starting Ignition Systems (Cont.)

piston engines is explained in the next section. The KP-1 type ignition system is described in its main characteristics and is accompanied by diagrams of general arrangement (Fig. 2). Special problems arising at high altitudes are illustrated by an example: The ignition of the fuel-air mixture at 12,000 m altitude, when the air flow reaches 30 m/sec, requires nearly four times more energy than in the case of a stationary mixture. The solution of the problem requires new and more powerful igniters. The flame-type igniters used in some turbojet engines are described. The description is accompanied by a drawing showing a sectional view of the device (Fig. 2). In the following part of the article, more up-to-date systems are described or mentioned. Thus, a general idea of the so-called opposed-polarity ignition system is briefly described. The low-voltage and condenser type, the area discharge type and the discharge type comprising an

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Starting Ignition Systems (Cont.)

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ionization spark are also mentioned. The next section deals with low-voltage igniters without an ionization spark, working on the area discharge principle in certain semi-conductors. This section is admittedly based on foreign sources. High-frequency igniters with high spark energy are the subject of a short paragraph. New spark plugs designed for turbojet engines are said to have an axial spark gap which causes the spark to penetrate farther into the mixture stream than the flame. The latest development in the igniters design is said to be their positioning in the areas of lowest speed of mixture flow. In one type of turboprop engines the fuel injection nozzles were placed in the front part of the combustion chamber. By means of a stable flame, the system is said to render a reliable start in flight at all speeds. The final section of the article deals with power sources for ignition. As the most widely used source, lead storage

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MUSIYENKO, A.A.

Blocking plantings of mother beets. Sakh. prom. 32 no.8:66-67
Ag '58.
(MIRA 11:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharinoy sverkly.
(Sugar beets)